

### AMENDMENTS TO THE DRAWINGS/FIGURES

The attached sheets of drawings include changes to Figs. 1 and 2. These sheets, which include Figs. 1-3 replace the original sheets including Figs. 1-3.

Attachment: Replacement Sheets 1/2 and 2/2.

### **REMARKS**

The Applicant appreciates the Examiner's careful examination of this case. Reconsideration and re-examination are respectfully requested in view of the instant remarks.

On page 2 of the Office Action under the heading "Drawings", the Examiner objects to the drawings on various grounds that the drawings do not show every feature of the invention as specified in claims 1 – 14.

More specifically, in the second paragraph on page 2 of the Office Action under the heading "Drawings", the Examiner says that the drawings do not show that the feed formation cannot move with respect to the first end of the elongate member. It is agreed that the feed formation is not shown. As stated at page 6 lines 12 – 13, the feed formation is connected to the first end 20 of each one of the elongate members 18. Figure 2 as filed with this Response has been amended to indicate a feed formation for each one of the elongate members 18. The feed formations have each been identified by reference numeral 23. If each feed formation 23 is connected to the first end 20 of each one of the elongate members 18, then we believe that it can fairly be said that Figure 2 illustrates the fact that the feed formation 23 cannot move with respect to the first end 20 of the elongate member 18. Each feed formation 23 has been shown as a rake head because such feed formations are described in detail in the specification at page 2 line 15 – page 3 line 19. Thus subject matter has not been added.

The Examiner also objects in the second paragraph on page 2 that the drawings do not show that the feed formation 23 is able to move backwards and forwards with the feed formation moving horizontally. The Examiner was of course quite correct in saying that the feed formation was not previously shown. This point has now been corrected as mentioned above. As shown in Figure 1, the feed means 14 comprises a cranked member 16 and three elongate members 18. The cranked members 16 clearly operate to cause the three elongate members 18 to move backwards and forwards. As shown in Figure 2, the feed formation 23 is on the first end 20 of each one of the elongate members 18. Thus the feed formation 23 moves backwards and forwards. Figure 2 shows mounting means 26 for hang mounting the first end 20 of each one of the elongate members 18 in order to facilitate the backwards and forwards movement of the elongate members 18, see the paragraph bridging pages 6 and 7 of the specification. The mounting means 26 cause the feed formation to move horizontally. The mounting members 26 can also be seen at the far end of the view as shown in Figure 1, where the horizontal movement of the elongate members 18 can also be appreciated.

In order to facilitate an easy comparison of the parts shown in Figures 1 and 2, Figure 2 as filed herewith is additionally proposed to be amended to include the reference numerals 18, and Figure 1 is proposed to be amended to include the reference numerals 26.

In the second paragraph on page 2 of the Office Action, the Examiner has also said that the drawings also do not show that the feed formation cannot move with respect to the first end of the elongate member, the elongate member and the feed formation moving above the material from the outlet to the inlet. We have already addressed above the point that the feed formation cannot move with respect to the first end of the elongate member. Figure 2 shows the inside of the pyrolysis chamber 4. Figure 2 is clearly a view taken partially from above. The part 28 shown in Figure 2 is described in the paragraph bridging pages 1 and 2 as mounting means from which the bars 26 hang. The lowermost ends of the hanging bars 26 support the first ends 20 of the elongate members 18. The first ends 20 have connected to them the feed formations 23. The feed formations are shown as rake heads which have been described in detail from page 2 line 15 – page 3 line 19. It is thus believed that Figure 2 clearly shows that when the feed formations are not in the material to move the material from the inlet to the outlet, then the elongate member and the feed formations are moving above the material from the outlet back to the inlet, in order to be ready to start another material moving action. It is agreed that the material itself is not shown and this can be shown if the Examiner requires it. The material however does not form an actual part of the apparatus as sold, and including the material in Figure 2 tends to confuse Figure 2. Figure 1 shows the apparatus 2 from the outlet end 10.

Figure 2 shows the apparatus 2 from the inlet end 6. The feed means 14 with its cranked formation shown in Figure 1 operates to move the elongate members and their feed formations in order to move the material from the inlet 6 to the outlet 10, the feed formations 23 then moving horizontally in the material. In order for the feed formations 23 to be able to achieve a subsequent material-moving action, the feed formations 23 and their elongate members move above the material from the outlet 10 to the inlet 6.

New sheets 1/2 and 2/2 are filed herewith. Figures 1 and 2 have been corrected as mentioned above. For the above mentioned reasons, it is believed that the amended drawings now show all of the features stated in claims 1 – 14.

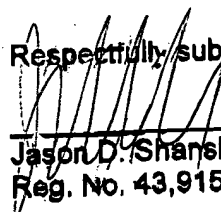
On page 3 of the Office Action, under the heading "Claim Rejections – 35 USC § 112" the Examiner has rejected claims 1 – 14 as containing subject matter which was not described in the specification such as a way as to reasonably convey to one skilled in the relevant art that the inventor, at the time the application was filed, had possession of the claimed invention. The Examiner specifically refers to exactly the same information mentioned in paragraph 2 of the Office Action under the heading "Drawings". The Applicant has dealt fully with this objection in discussing the drawings. In the discussion of the drawings, the Applicant has shown that the information specifically referred to by the Examiner was shown in the drawings (with the exception of

the feed formation which has now been added to the drawings and which is fully described at page 2 line 15 – page 2 line 19, and possibly also the "material" but this "material" was always in claim 1 and it can be added to the drawing if the Examiner wishes). Thus the Applicant has demonstrated that the subject matter specifically mentioned by the Examiner on page 3 of the Office Action under the heading "Claim Rejections – 35 USC § 112" was described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor, at the time the application was filed, had possession of the claimed invention.

Accordingly, it is respectfully submitted that this application is in condition for allowance. Early and favorable action is respectfully requested.

If for any reason this **RESPONSE** is found to be **INCOMPLETE**, or if at any time it appears that a **TELEPHONE CONFERENCE** with Counsel would help advance prosecution, please telephone the undersigned or one of his associates, collect in Waltham, Massachusetts, at (781) 890-5678.

Respectfully submitted,

  
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